

10/530385

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DT-6949

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Harald Rackel, et al
SERIAL NO.: Not yet known (PCT/EP03/10549)
FILED: Concurrently
FOR: Rolling Mill With Support Plates
EXAMINER: -- GROUP: --

Mail Stop: PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 CFR sections 1.97 and 1.98, applicant respectfully requests that the documents listed on the attached form PTO-1449, be made of record and considered in connection with the examination of this application. Copies of the listed documents are enclosed.

U.S. Patent No. 3,618,355 (corresponds to German document DE 19 65 882 A cited in the Search Report) discloses a rolling mill and a system for facilitating the exchange of the rolling mill rolls.

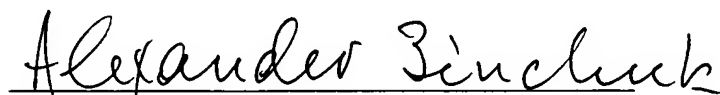
U.S. Patent No. 6,408,667 discloses a four-high mill stand and a roll change device.

European Publication EP O 911 089 discloses a device for rapid roll changes in a six-high roll stand which includes a roll change carriage (1) with a unit for moving the carriage relative to the roll stand parallel to and transversely of the rolling direction, and two retaining components (11,12) for a pair of work rolls and a pair of intermediate rolls (20-23), with the retaining components (11,12) being arranged next to each other and form a side-shifter cassette (10). The retaining components have a guide surfaces (24-27) for the chocks (16-19) of the rolls, and the change carriage (1) has, in the common rolling plane a device for pushing the rolls in and out. Each retaining component has, for receiving a lower intermediate roll (23,23') with the chocks, an intermediate frame (3,4) with a unit for moving the intermediate frame into and out of the side-shifter cassette (10).

British Patent No. 1,144,410 discloses a roll changing apparatus.

German Publication DE 43 21 663 A discloses a rolling mill with support plates (4) displaceable transversely in a rolling direction and in a direction opposite the rolling direction for replacing the working rolls (2). The trenches (8) are covered by pivotal plates (7) having a horizontal position in which they overlap the trenches (8) for replacing the working rolls (2), and a pivotal position for replacing the back-up rolls (3). There is further provided a traction machine (5) for replacement of working rolls, and a piston-cylinder unit (9) for replacing the back-up rolls which are lifted from the trenches by a crane.

Respectfully submitted,



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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Docket No.: DT-6949		Serial No.: 10/530385 (PCT/EP03/10549)											
		Applicant(s): Harald Rackel, et al													
		Filing Date: Concurrently		Group: ----											
U. S. PATENT DOCUMENTS															
Exam. Init.		Document Number								Date	Name	Class	Subclass	Filing Date if appropriate	
	AA	3	6	1	8	3	5	5	11/1971	Brahn et al.					
	AB	6	4	0	8	6	6	7	6/2002	de Jesus, Jr.					
	AC														
	AD														
	AE														
	AF														
	AG														
	AH														
	AI														
	AJ														
	AK														
FOREIGN PATENT DOCUMENTS															
		Document Number								Date	COUNTRY	Class	Subclass	TRANSLATION	
														YES	NO
	AL	0	9	1	1	0	8	9	4/1999	Europe					x
	AM	1	1	4	4	4	1	0	3/1969	Great Britain					
	AN	4	3	2	1	6	6	3	1/1995	Germany					x
	AO														
	AP														
	AQ														
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
	AR	Search Report													
	AS														
	AT														